

Proposed Wichita Subarea Complex - Kechi

The new complex is proposed to be constructed on an approximately 75 acre plot near Wichita in Kechi, Kansas. The project will include the construction of a subarea shop, equipment storage building(s), a chemical storage dome, a salt/sand bunker and fuel facilities with above ground storage tank(s).

Location:

The new facilities will be located on a 75 acre plot north off of Kansas Highway 254 at Rock Road near Kechi Kansas; West half of the SE Quarter, Section 7, Township 26, Range 2 E. This land is owned by the Kansas Department of Transportation, has utilities (water, gas and sewer) and will be shared with a newly constructed Kansas Highway Patrol facility.

Scope of work

The design team will be required to complete some programming on the facility to determine the scope of work. Full design services are requested at this time, including construction administration.

Proposed Facilities:

The primary structure will be a new subarea shop will be the headquarters of a subarea crew combined from two separate subarea shops in the Wichita area. The building will have approximately 16,000 square feet and will be divided into office space and storage space. The office area will be approximately 1,800 square feet of insulated, weatherproofed, heated and cooled office and related spaces. The office shall include: 2 offices, a crew/safety meeting room, male and female restrooms, storage and mechanical area. The remaining square footage will be conditioned and weather-proof truck storage bays (12 to 14) and two (2) vehicle wash bays.

Uses for the building include: material and parts storage and a garage for subarea crew trucks. The bays are sized to house tandem axle dump trucks equipped with snow plows and material spreaders. The configuration of the building will generally be left to the architect to decide based on the site parameters and budget limitations, but the equipment bays shall be drive through bays.

The Equipment storage building will be a three sided pre-engineered structure 20-bays long and will be used to house various equipment when not in use.

The salt dome and salt/sand bunker are typically pre-fabricated structures, and will conform to KDOT standards.

The project will include parking for the subarea building, and paving of the drives and other miscellaneous areas. Fencing around the equipment yard and exterior pole lighting are also included.

A fuel facility will be located to accommodate the needs of the combined subarea crew.

Backup generator power will be needed sufficient to power the fuel facilities and minimal operations within the building.

Fire alarm and a building fire sprinkler system may be required, depending on the code analysis completed by the design professional.

Similar, but smaller subarea shops have been constructed in various locations throughout the state.

Kansas Department of Transportation
New Wichita Subarea Complex – Kechi
Scope of Work
December 2015

Project Budget

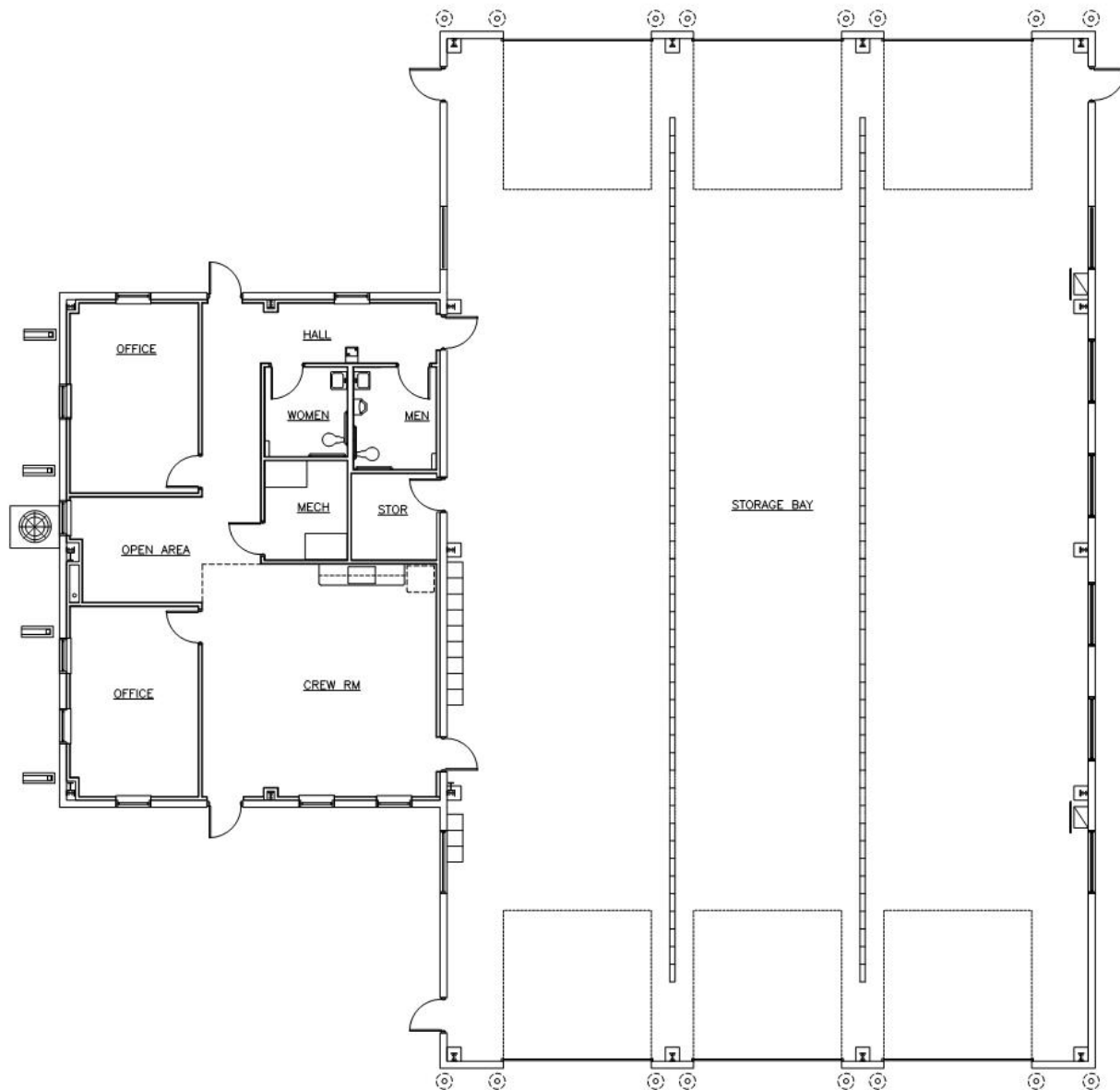
Construction Costs	
Subarea Shop/Office	\$ 2,100,000
Equipment Storage Bldg	\$100,000
Salt Dome and Salt Sand Bunker	\$ 285,000
Fueling system	\$ 125,000
Fencing / Site Lighting	\$168,000
Utilities / Grading / Paving	<u>\$ 483,000</u>
Total Construction Costs	\$3,261,000
 Miscellaneous costs AE fee, contingency,	 <u>\$ 504,000</u>
TOTAL PROJECT BUDGET	\$ 3,765,000

Project Schedule

The Owner desires occupancy of the Subarea Office/Shop by the spring 2017 which is a very tight schedule. As part of the programming the design team should propose a workable project schedule.

Conceptual drawings.

On the following page is a copy of the floor plan from the most recent subarea shop construction. The storage area for the vehicles for this project is double what is shown for Lawrence. The office area for this project is about one and a half times the space shown on the attached plan for Lawrence.



LAWRENCE SUBAREA SHOP

- STORAGE FOR 9 TRUCKS
- CREW OF 12
- FIRE ALARM INCLUDED
- SPRINKLER SYSTEM INCLUDED
- TRENCH DRAINS IN STORAGE BAY
- DESIGNED FOR FUTURE ADDITIONS